Avtron K575A

Resistive Permanent Load Bank - 500 to 1250 KW

Testing Your Emergency Standby Generator with a Load Bank Means Reliability When it Matters Most.

Key Features

- Outdoor Installation
- Temperature Controlled Weather-proof Contactor Compartment
- No Cool Down Period Required
- Optional DC Designs
- Standard 19" Remote Control Panel with Optional Enclosure
- Fully Supported Load Elements

Superior Avtron quality combined with simple operation and maintenance will provide years of trouble free service.

Avtron's extensive line of Load Bank and Industrial Resistor Products are solid performers used throughout the world.

For total technical support or additional information, please contact Avtron at (216) 573-7600 or LBsales@Emerson.com.

Quality System Certified to ISO 9001

The Avtron Model K575A Load Bank is designed for outdoor installation for testing AC generating systems.

The Avtron K575A load bank can be utilized independently or as a modular building block for larger systems to meet a variety of requirements. This load bank series incorporates the latest state-of-the-art load bank design features and manufacturing techniques to provide reliable operation and extended service life. The K575A load bank is used for testing AC generating systems in production line applications and is also available mounted on a trailer to provide mobile high power testing.

The contactors are enclosed in a thermostatically controlled heated compartment to help prevent problems caused by condensation. This compartment is sealed with a rubber gasket to protect the components from environmental contamination.

The K575A load bank contains resistive elements and a blower motor in a rigid structure of formed heavy gauge steel. Designed for outdoor installation, the K575A utilizes a screened air inlet and exhaust louver to protect the motor and resistive assemblies.

Carefully engineered and manufactured resistive elements are designed to operate at a fraction of their maximum temperature rating. This ensures more stable loading, extends element operating life and eliminates the need for a cool down period after each loading session.

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K575A 750KW Permanent Resistive Avtron Load Bank.

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Specifications subject to change without notice.

Construction

Heavy gauge steel structure provides a rigid enclosure. Removable panels with rubber gaskets protect contactors from the weather. Screened air inlet and louvered exhaust openings protect the load bank from foreign objects and weather. Horizontal airflow provides maximum protection and reliability in an outdoor environment. Upright construction minimizes footprint. Permanent base is designed for mounting on floor, roof, or cement pad and is equipped with built-in forklift channels.

Resistor Elements

The resistive elements are designed by Avtron and manufactured of a corrosion resistant chromium alloy wire. Resistive elements are fully supported over their entire length for improved operating life.

Control Power

The K575A requires control power of 120 volts, single phase, 60 Hz, 15 amps (control transformer optional).

Cooling

The resistive elements are air cooled by a self-contained 5 HP (750 KW) or 10 HP (1000 and 1250 KW) blower required 460 volts, 3 phase, 60 Hz power. No additional cooling period is required when load is removed from the elements. Other blower voltages are available.

Controls

Contactors are protected in a thermostatically controlled, heated compartment. The 19" rack-mounted control panel for indoor use includes a POWER ON-OFF switch, a POWER ON light, BLOWER ON-OFF push button with a BLOWER FAILURE light, OVERTEMPERATURE and UTILITY LOSS light, MASTER LOAD ON-OFF switch, and load step switches. A voltage selector switch is provided for dual voltage load banks.

Protection

The K575A differential pressure air switch is electrically interlocked to remove the load if the air flow is not sufficient to produce proper cooling. Overtemperature protection and branch circuit fusing is also provided.

Load Capacity Ratings: (3 phase, 60 Hz)

Available Load Step Resolution: 5 or 50 KW

Rated KW	240/480 VAC	480 VAC
500	✓	✓
600	✓	✓
750	✓	✓
1000	✓	✓
1250	✓	✓

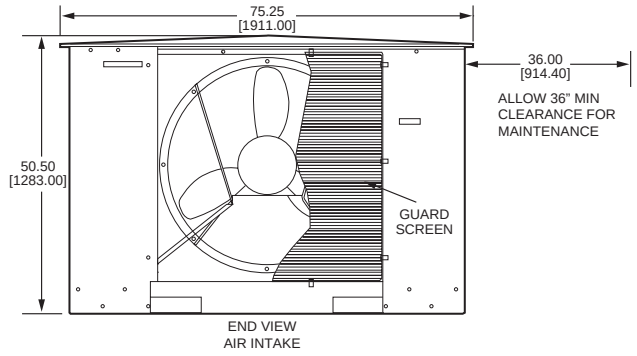
NOTE Other Voltages and DC designs available. Consult factory.

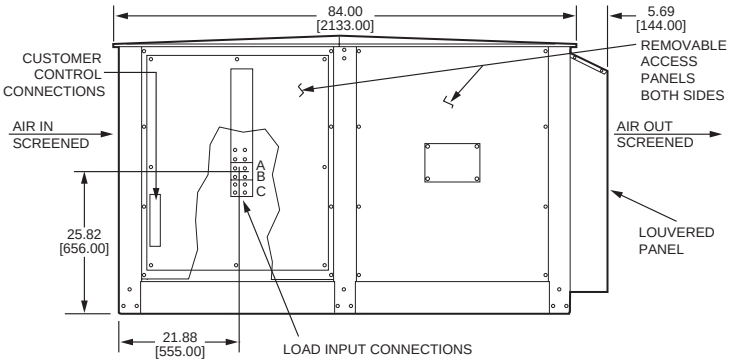
Load Bank Weight (approx.)

1800 lbs. [816.5 kg]

Options

- SIGMA™ Network Control
- ADMS™ Digital Metering (V, A, KW, Hz) with Communicator EXT™ Data Logging Software
- Meter and Control Panel Enclosure
- 230/460, 208, 230, or 575 V Blower
- Control Transformer for 208, 230, 460, 230/460, or 575 Volt Power





All dimensions are in inches [millimeters].

Emerson Network Power

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